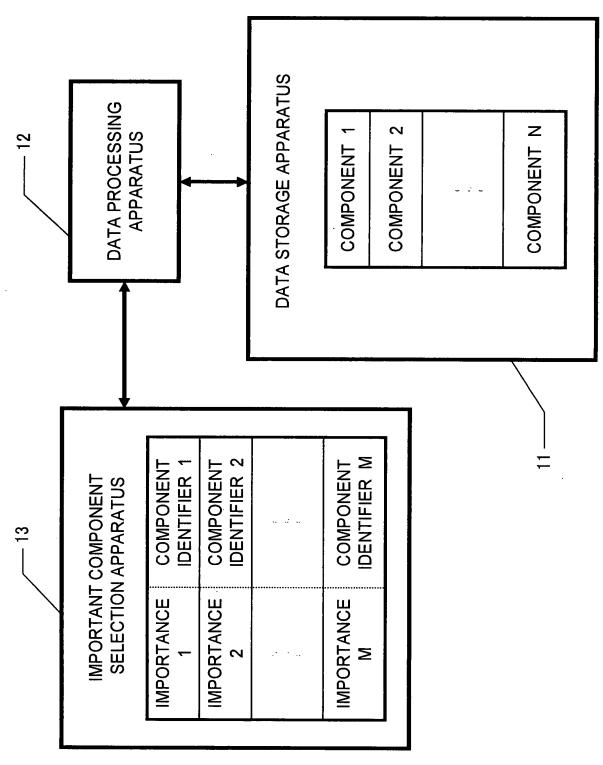
Docket No.: 1560-0471PUS1

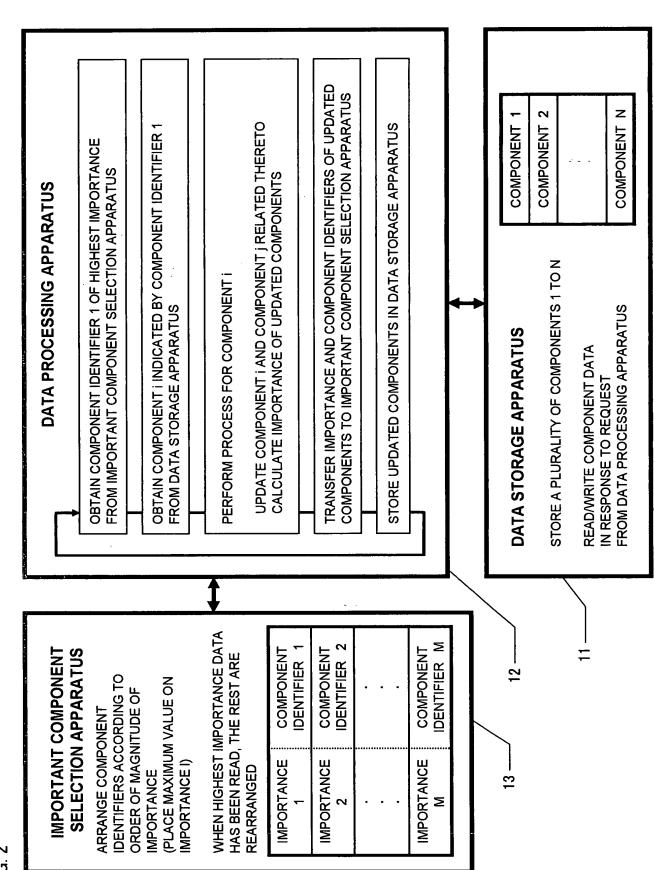
Title: METHOD AND DEVICE FOR CALCULATING IMPORTANT COMPONENTS WITH HIGHER PRIORITY REPLACEMENT SHEET 1 of 19



Inventor: Osamu FUJITA

Title: METHOD AND DEVICE FOR CALCULATING IMPORTANT COMPONENTS WITH HIGHER PRIORITY

REPLACEMENT SHEET 2 of 19

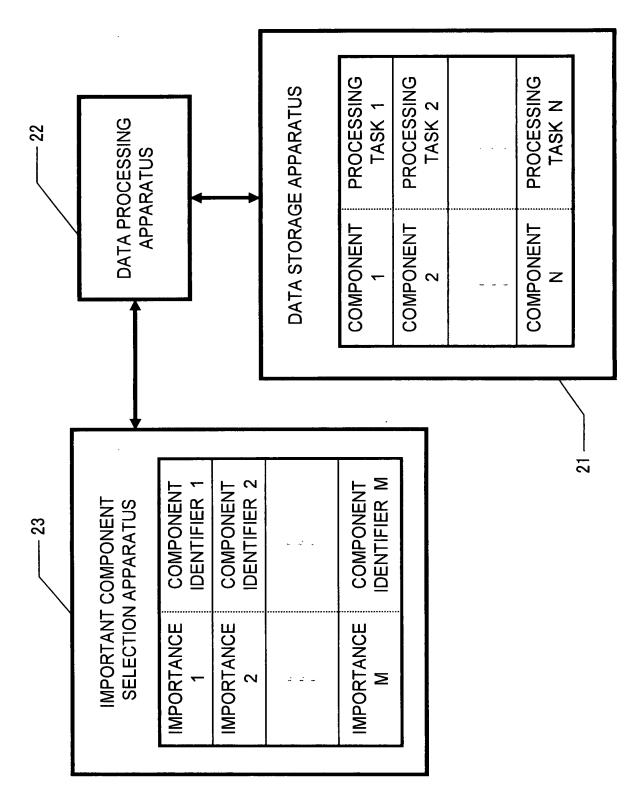


Docket No.: 1560-0471PUS1

Title: METHOD AND DEVICE FOR CALCULATING

IMPORTANT COMPONENTS WITH HIGHER PRIORITY

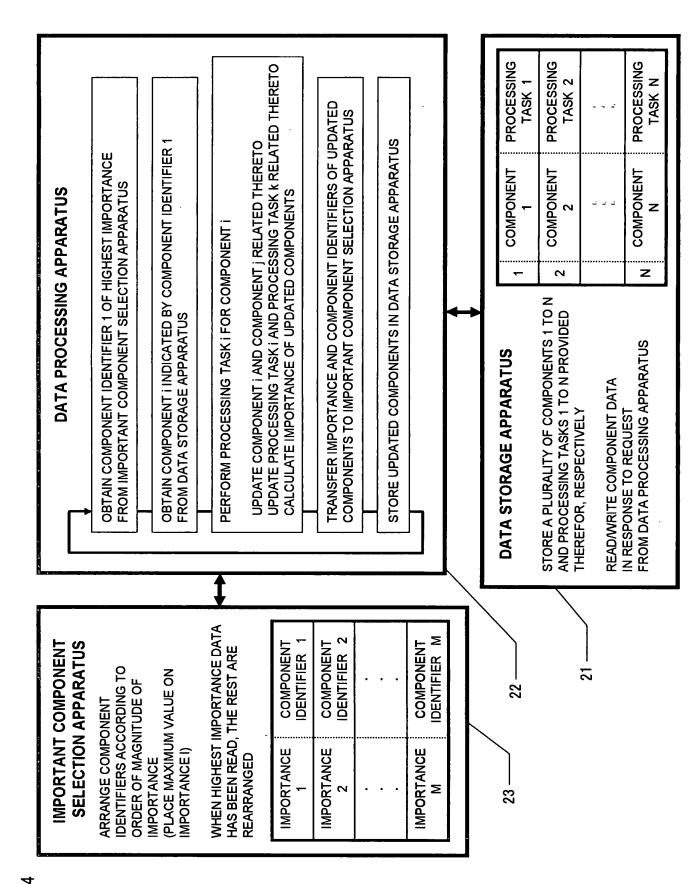
REPLACEMENT SHEET 3 of 19



Inventor: Osamu FUJITA

Title: METHOD AND DEVICE FOR CALCULATING IMPORTANT COMPONENTS WITH HIGHER PRIORITY

REPLACEMENT SHEET 4 of 19

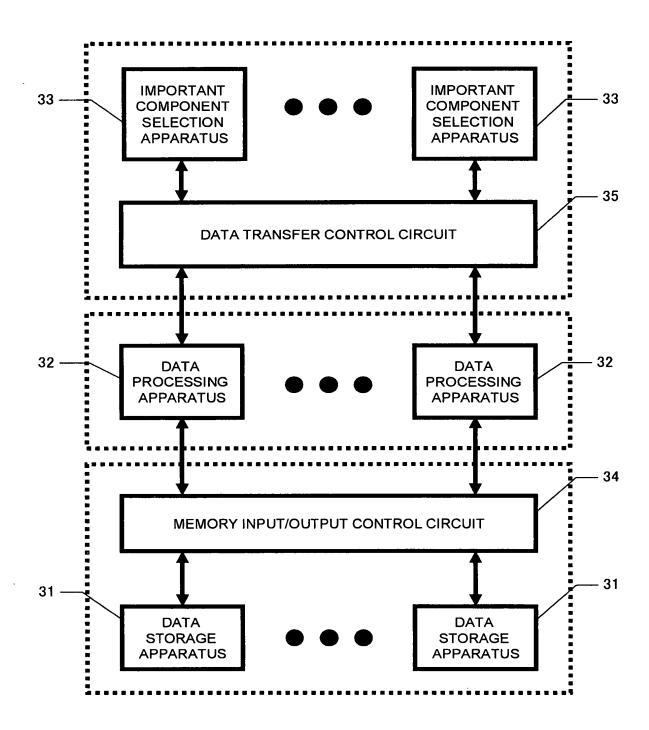


Inventor: Osamu FUJITA

Title: METHOD AND DEVICE FOR CALCULATING IMPORTANT COMPONENTS WITH HIGHER PRIORITY

REPLACEMENT SHEET 5 of 19

FIG. 5

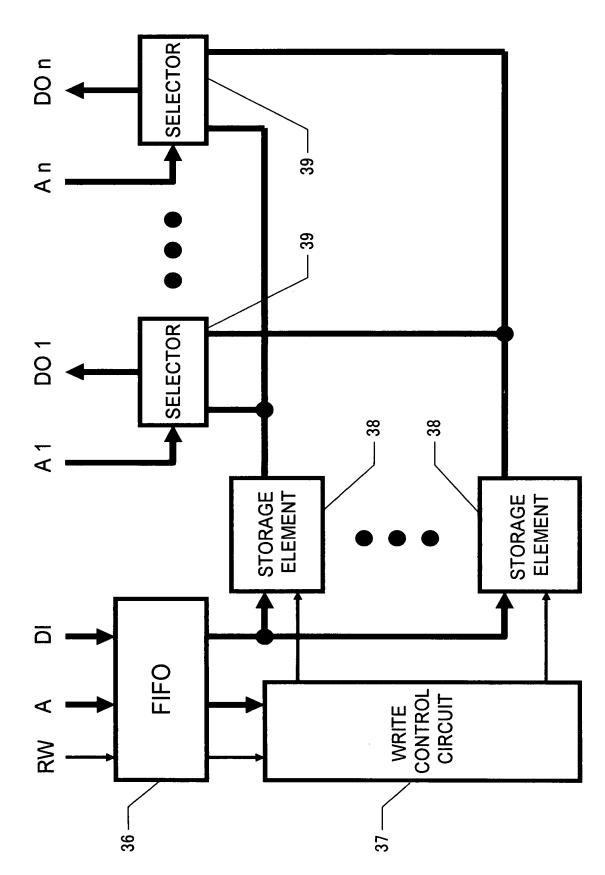


Docket No.: 1560-0471PUS

App No.: 10/594,590 Docket No.: 156
Inventor: Osamu FUJITA
Title: METHOD AND DEVICE FOR CALCULATING

IMPORTANT COMPONENTS WITH HIGHER PRIORITY

REPLACEMENT SHEET 6 of 19

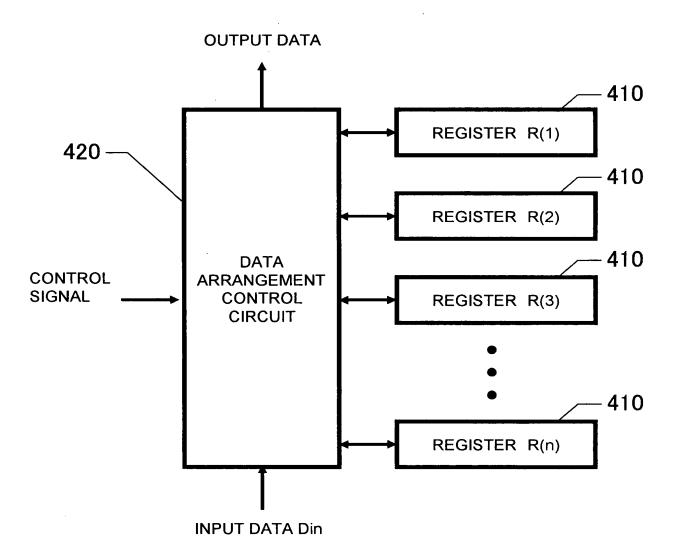


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Title: METHOD AND DEVICE FOR CALCULATING IMPORTANT COMPONENTS WITH HIGHER PRIORITY

REPLACEMENT SHEET 7 of 19

FIG. 7

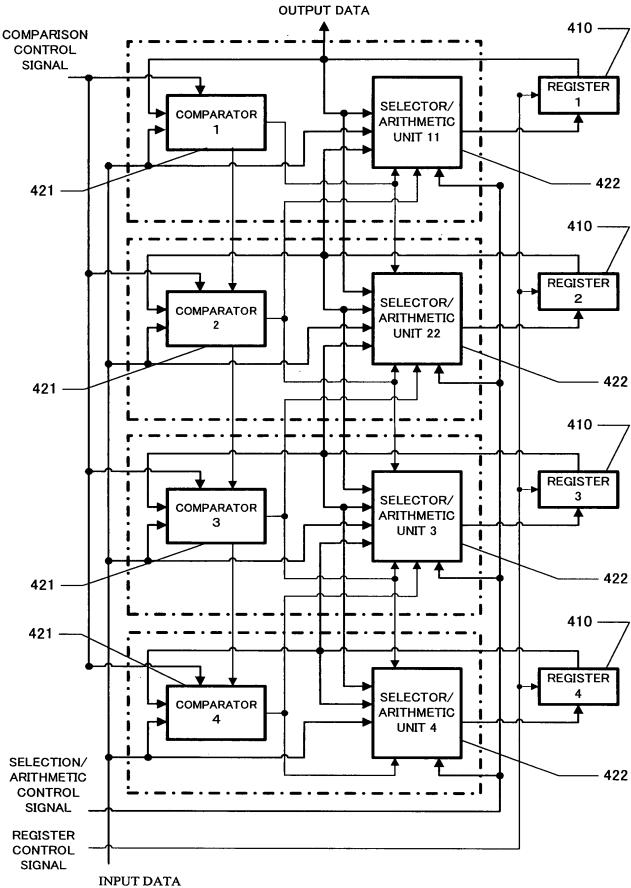


Docket No.: 1560-0471PUS

Title: METHOD AND DEVICE FOR CALCULATING IMPORTANT COMPONENTS WITH HIGHER PRIORITY

REPLACEMENT SHEET 8 of 19





Inventor: Osamu FUJITA

Title: METHOD AND DEVICE FOR CALCULATING IMPORTANT COMPONENTS WITH HIGHER PRIORITY

REPLACEMENT SHEET 9 of 19

FIG. 9

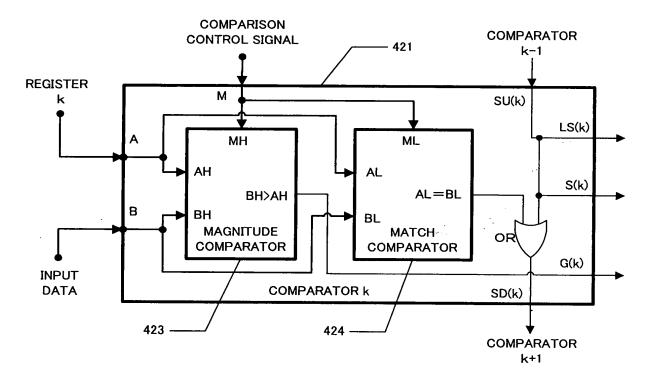
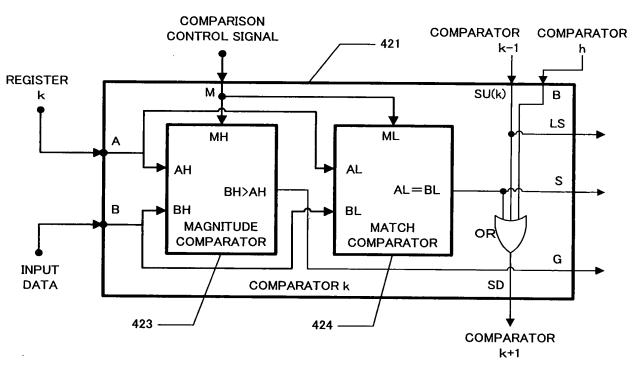


FIG. 10

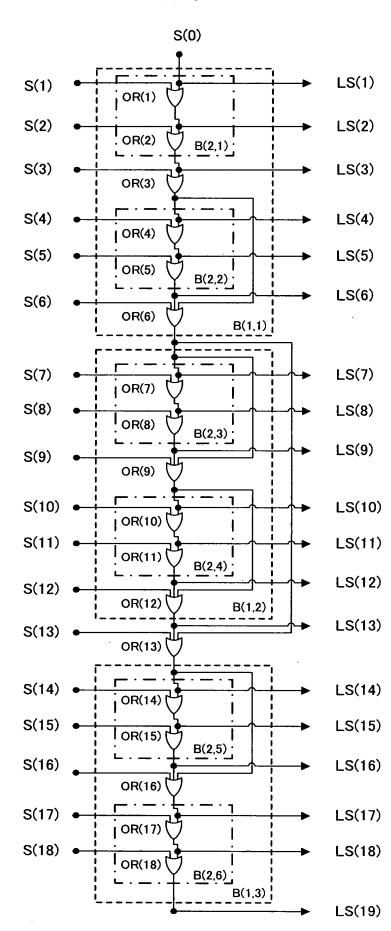


Docket No.: 1560-0471PUS

Title: METHOD AND DEVICE FOR CALCULATING IMPORTANT COMPONENTS WITH HIGHER PRIORITY

REPLACEMENT SHEET 10 of 19

FIG. 11

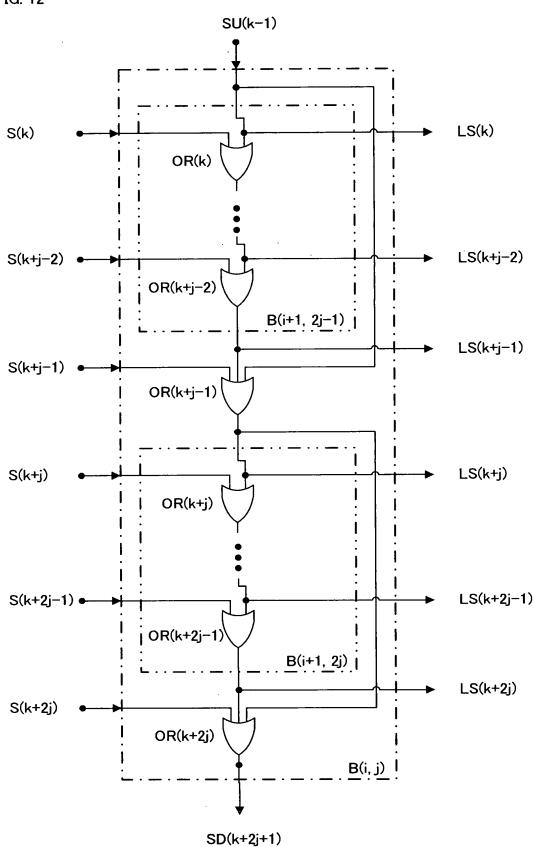


App No.: 10/594,590 Inventor: Osamu FUJITA Docket No.: 1560-0471PUS1

Title: METHOD AND DEVICE FOR CALCULATING IMPORTANT COMPONENTS WITH HIGHER PRIORITY

REPLACEMENT SHEET 11 of 19

FIG. 12

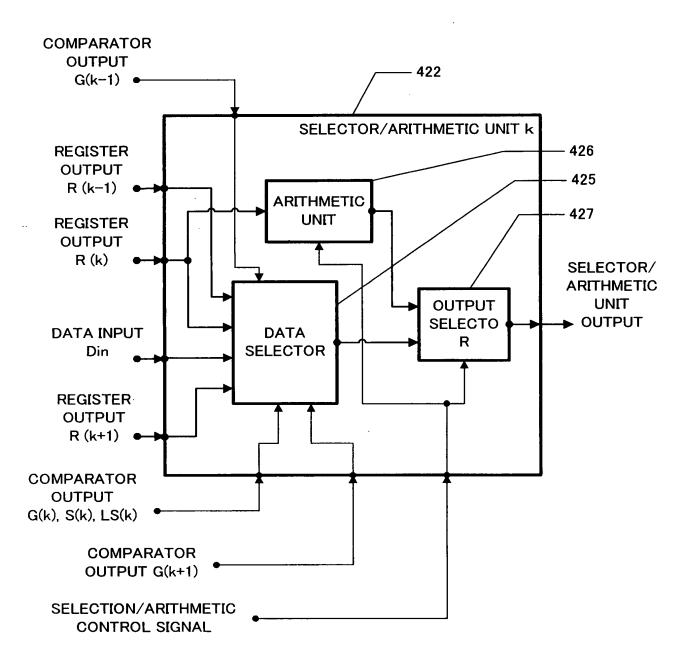


App No.: 10/594,590 Docket No.: 1560-0471PUS Inventor: Osamu FUJITA

Title: METHOD AND DEVICE FOR CALCULATING
IMPORTANT COMPONENTS WITH HIGHER PRIORITY

REPLACEMENT SHEET 12 of 19

FIG. 13



Docket No.: 1560-0471PUS1

App No.: 10/594,590 Docket No.: 156
Inventor: Osamu FUJITA
Title: METHOD AND DEVICE FOR CALCULATING

IMPORTANT COMPONENTS WITH HIGHER PRIORITY REPLACEMENT SHEET 13 of 19

	CONDITIONS	SN		COMPA	COMPARATOR OUTPUT	UTPUT		SELECTOR/
CONTROL	IMPORTANCE	SAME COMPONENT POSITION	G(k-1)	G(k)	G(k+1)	S(k)	LS(k)	ARITHMETIC UNIT OUTPUT
	nid ≦ (k)	*	*	0	*	*	*	R(k)
3	$P(k-1) \ge Pin > P(k)$	k ≦ Ks	0	1	*	*	0	Din
T C	$Pin > P(k-1) \ge P(k)$	k ≦ Ks	1	1	*	*	0	R(k-1)
	*	k > Ks	*	*	*	*	1	R(k)
	P(k) ≧ P(k+1) ≧ Pin	*	*	0	0	*	*	R(k+1)
	P(k) ≥ Pin > P(k+1)	k < Ks	*	0	1	0	0	Din
РОР	Pin > P(k)	k < Ks	*	1	*	0	0	R(k)
	*	k = Ks	*	*	*	1	*	R(k+1)
	*	k > Ks	*	*	*	*	-	R(k+1)
ADD	*	*	*	*	*	*	*	P(k) + a
SFTL	*	*	*	*	*	*	*	P(k) << a
SFTR	*	*	*	*	*	*	*	P(k) >> a

Docket No.: 1560-0471PUS

App No.: 10/594,590 Docket No.: 1560 Inventor: Osamu FUJITA
Title: METHOD AND DEVICE FOR CALCULATING

IMPORTANT COMPONENTS WITH HIGHER PRIORITY REPLACEMENT SHEET 14 of 19

	LS	0	0	0	0	0	0	_	_		
	S	0	0	0	0	0	-	0	0		
PUSH	MATCH COMPARISON	*	*	7	*	*	II	*	*		
	COMPONENT IDENTIFIER	777	200	101	020	700	555	300	808	255	ATA
	IMPORTANCE DATA	86	74	09	33	27	15	8	5	09	INPUT DATA
	MAGNITUDE COMPARISON	Pin≦	Pin ≦	Pin ≦	Pin > T	Pin >	Pin >	Pin >	Pin >	J	
	Ŋ	0	0	0	~	_	1	~	_		
	ㅗ	_	7	က	4	5	9	7	8		
<u>2</u>							↑ \$				

Docket No.: 1560-0471PUS1

Title: METHOD AND DEVICE FOR CALCULATING IMPORTANT COMPONENTS WITH HIGHER PRIORITY REPLACEMENT SHEET 15 of 19

										•		
	LS	0	0	0	0	0	0	1	7			
	S	0	0	0	0	0	1	0	0			
	MATCH COMPARISON	≠	*	≠	≠	≠	=	≠	≠			
	COMPONENT IDENTIFIER	222	200	101	020	002	255	300	808	0	555	DATA
POP	IMPORTANCE DATA	86 ↓	4 2 →	09 1	33	27	15	8 +	9 +	0 1	09	INPUT DATA
	Z			L								•
	MAGNITUDE COMPARISON	Pin≦	Pin≦	Pin≦	> Nin	Pin >	Pin >	Pin >	< Nid			
	G	0	0	0	—	_	—	1	7			
	¥	~	2	3	4	5	9	7	8			
9							¥s →					

Docket No.: 1560-0471PUS

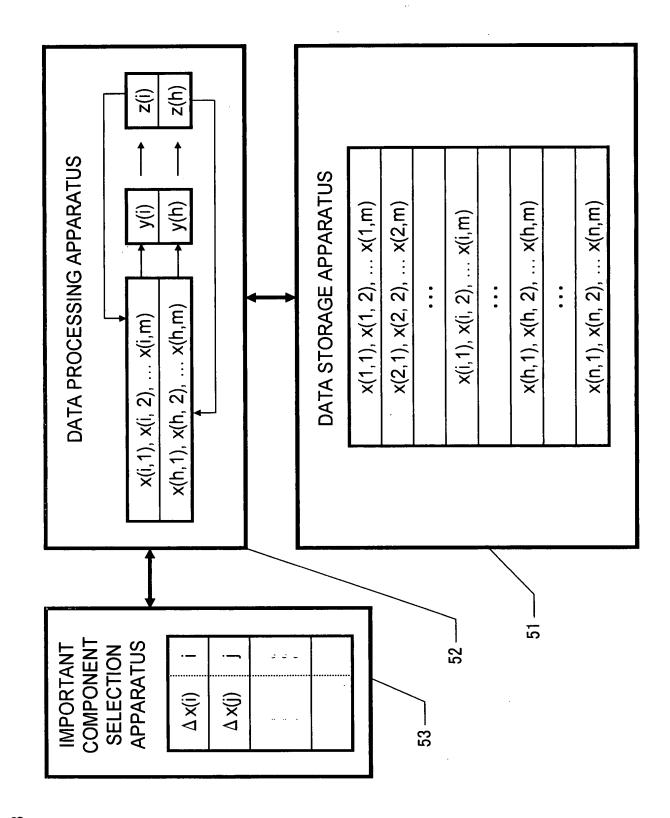
Title: METHOD AND DEVICE FOR CALCULATING IMPORTANT COMPONENTS WITH HIGHER PRIORITY REPLACEMENT SHEET 16 of 19

										ı		
	ST	0	0	0	0	0	0	-	-			
	S	0	0	0	0	0	1	0	0			
	MATCH COMPARISON	≠	≠	≠	≠	· ≠	11	#	#			
РОР	COMPONENT IDENTIFIER	222	200	101	020	002	999	300	808	0	555	DATA
	IMPORTANCE DATA	86	1 74 ↑	09 ↓	£ 33	72	1 15	8	9 1	0 1	7	INPUT DATA
	MAGNITUDE COMPARISON	Pin ≦	Pin ≦	Pin≦	Pin≦	Pin ≦	Pin ≤	Pin≤	Pin >			•
	9	0	0	0	0	0	0	0	_			
	ᅩ	-	2	က	4	5	9	7	∞			
<u>.</u>							Ks ↓					

.590 Docket No.: 1560-0471PUS1

Title: METHOD AND DEVICE FOR CALCULATING IMPORTANT COMPONENTS WITH HIGHER PRIORITY

REPLACEMENT SHEET 17 of 19

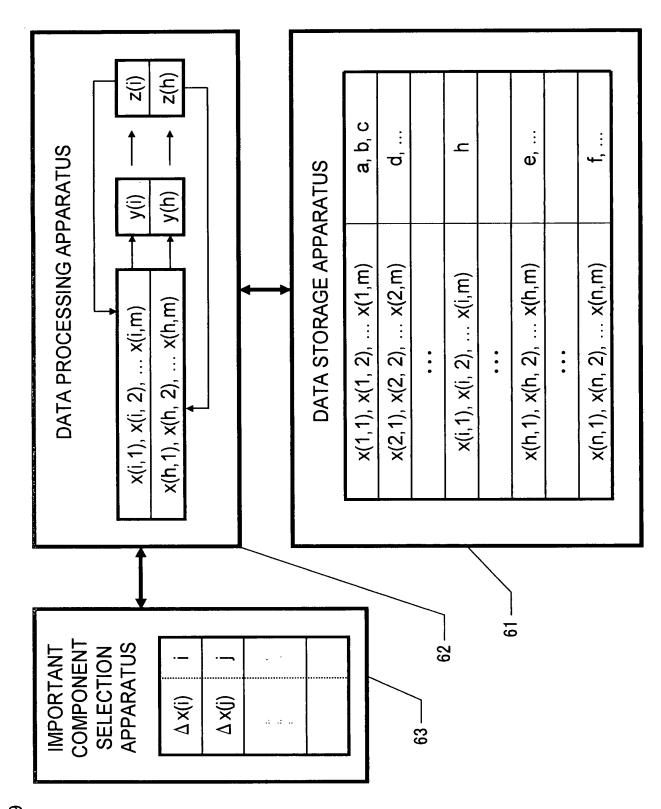


Docket No.: 1560-0471PUS App No.: 10/594,590

Inventor: Osamu FUJITA Title: METHOD AND DEVICE FOR CALCULATING

IMPORTANT COMPONENTS WITH HIGHER PRIORITY

REPLACEMENT SHEET 18 of 19



Docket No.: 1560-0471PUS1

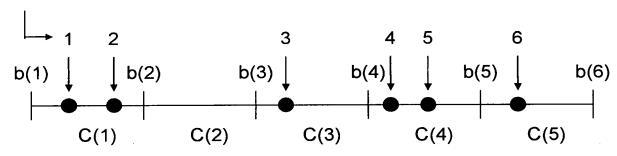
Title: METHOD AND DEVICE FOR CALCULATING

IMPORTANT COMPONENTS WITH HIGHER PRIORITY

REPLACEMENT SHEET 19 of 19

FIG. 20

COMPONENT NUMBER



$$C1=\{1, 2\}, C2=\{\}, C3=\{3\}, C4=\{4,5\}, C5=\{6\}$$

$$i \in C(j)$$
 for $b(j) \leq Yi < b(j+1)$